

DETAILED ACTION

EXAMINER'S AMENDMENT

During a telephone conversation conducted on 6/30/11, Applicant's representative, David Jones, authorized the following examiner's amendment, subject to receiving approval from the Applicant. Approval from the Applicant was confirmed via a facsimile from Mr. Jones on July 1, 2011. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee. The examiner's amendment to claims 51 and 83 are as follows:

51. (Currently Amended) A method of controlling wireless messaging in a worksite area, in which worksite management messages are received by, or sent from, communicating entities operating within said worksite, comprising the steps of:

dividing at least part of said worksite area into elementary cells mapped in correspondence with the topology of said area, or into said cells and determined communication zones;

for a given cell or communication zone of said worksite, establishing at least one communication attribute value pertaining to a parameter of wireless communication to or from said given cell or communication zone;

for a given cell, establishing at least one worksite management attribute value of the worksite for said given cell, said worksite management attribute value pertaining to a parameter other than a said communication attribute parameter;

storing, in a memory, values of said worksite management and communication attributes, each stored attribute value being electronically indexed to the elementary cell, or to the communication zone, for which it was determined;

forming a said worksite management message with an electronically readable content containing at least one worksite management attribute value;

accessing said memory to obtain at least one current communication attribute value in respect of a cell or communication zone to or from which said formed management message is to be communicated by a wireless communication; [[and]]

establishing a wireless communication to or from said cell or communication zone to send or receive said management message on the basis of said current communication attribute value(s) electronically accessed from said memory; and

preparing an individualized dataset specific to an identified site-modifying mobile apparatus, said individualized dataset comprising at least selected worksite management attribute parameter values for the requirements of that identified site-modifying mobile apparatus, wherein said individualized dataset relates only to cells of a region of said worksite where said identified site-modifying apparatus is programmed to be present over a determined time window, the individualized data set taking into account the area of present and future operations for the identified site-modifying apparatus, the specific characteristics of the identified site-modifying apparatus, and the tasks planned for the identified site-modifying apparatus in that area.

83. (Currently Amended) A system for controlling wireless messaging in a worksite area, in which worksite management messages are received by, or sent from, communicating entities operating within said worksite, at least part of said worksite area being divided into elementary cells mapped in correspondence with the topology of said area, or being divided into said cells and determined communication zones, said system comprising:

means for establishing, for a given cell or communication zone of said worksite, at least one communication attribute value pertaining to a parameter of wireless communication to or from said given cell or communication zone;

means for establishing, for a given elementary cell, at least one worksite management attribute value of the worksite for said given cell, said worksite management attribute value pertaining to a parameter other than a said wireless communication parameter;

Art Unit: 2617

memory means for storing values of said worksite management and communication attributes, each stored attribute value being electronically indexed to the elementary cell, or to the communication zone, for which it was determined;

means for forming a said worksite management message with an electronically readable content containing at least one worksite management attribute value;

means for accessing said memory to obtain at least one current communication attribute value in respect of a cell or communication zone to or from which said formed management message is to be communicated by a wireless communication; and

means for establishing a wireless communication to or from said cell or communication zone to send or receive said management message on the basis of said current communication attribute value(s) electronically accessed from said memory, and

means for preparing an individualized dataset specific to an identified site-modifying mobile apparatus, said individualized dataset comprising at least selected worksite management attribute parameter values for the requirements of that identified site-modifying mobile apparatus, wherein said individualized dataset relates only to cells of a region of said worksite where said identified site-modifying apparatus is programmed to be present over a determined time window, the individualized data set taking into account the area of present and future operations for the identified site-modifying apparatus, the specific characteristics of the identified site-modifying apparatus, and the tasks planned for the identified site-modifying apparatus in that area.

Allowable Subject Matter

Claims 51-77, 80 and 83-100 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

In the case of independent claims 51 and 83, and claims dependent thereon, the reviewed prior art nowhere discloses the bold and underlined limitations below in combination with the other claim limitations, as recited in particular for independent claim 51 as:

Art Unit: 2617

A method of controlling wireless messaging in a worksite area, in which worksite management messages are received by, or sent from, communicating entities operating within said worksite, comprising the steps of:

dividing at least part of said worksite area into elementary cells mapped in correspondence with the topology of said area, or into said cells and determined communication zones;

for a given cell or communication zone of said worksite, establishing at least one communication attribute value pertaining to a parameter of wireless communication to or from said given cell or communication zone;

for a given cell, establishing at least one worksite management attribute value of the worksite for said given cell, said worksite management attribute value pertaining to a parameter other than a said communication attribute parameter;

storing, in a memory, values of said worksite management and communication attributes, each stored attribute value being electronically indexed to the elementary cell, or to the communication zone, for which it was determined;

forming a said worksite management message with an electronically readable content containing at least one worksite management attribute value;

accessing said memory to obtain at least one current communication attribute value in respect of a cell or communication zone to or from which said formed management message is to be communicated by a wireless communication;

establishing a wireless communication to or from said cell or communication zone to send or receive said management message on the basis of said current communication attribute value(s) electronically accessed from said memory; and

preparing an individualized dataset specific to an identified site-modifying mobile apparatus, said individualized dataset comprising at least selected worksite management attribute parameter values for the requirements of that identified site-modifying mobile apparatus, wherein said individualized dataset relates only to cells of a region of said worksite where said identified site-modifying apparatus is programmed to be present over a determined time window, the individualized data set taking into account the area of present and future operations for the identified site-modifying apparatus, the specific characteristics of the identified site-modifying apparatus, and the tasks planned for the identified site-modifying apparatus in that area;

and for independent claim 83:

A system for controlling wireless messaging in a worksite area, in which worksite management messages are received by, or sent from, communicating entities operating within said worksite, at least part of said worksite area being divided into elementary cells mapped in correspondence with the topology of said area, or being divided into said cells and determined communication zones, said system comprising:

Art Unit: 2617

means for establishing, for a given cell or communication zone of said worksite, at least one communication attribute value pertaining to a parameter of wireless communication to or from said given cell or communication zone;

means for establishing, for a given elementary cell, at least one worksite management attribute value of the worksite for said given cell, said worksite management attribute value pertaining to a parameter other than a said wireless communication parameter;

memory means for storing values of said worksite management and communication attributes, each stored attribute value being electronically indexed to the elementary cell, or to the communication zone, for which it was determined;

means for forming a said worksite management message with an electronically readable content containing at least one worksite management attribute value;

means for accessing said memory to obtain at least one current communication attribute value in respect of a cell or communication zone to or from which said formed management message is to be communicated by a wireless communication; and

means for establishing a wireless communication to or from said cell or communication zone to send or receive said management message on the basis of said current communication attribute value(s) electronically accessed from said memory, and

means for preparing an individualized dataset specific to an identified site-modifying mobile apparatus, said individualized dataset comprising at least selected worksite management attribute parameter values for the requirements of that identified site-modifying mobile apparatus, wherein said individualized dataset relates only to cells of a region of said worksite where said identified site-modifying apparatus is programmed to be present over a determined time window, the individualized data set taking into account the area of present and future operations for the identified site-modifying apparatus, the specific characteristics of the identified site-modifying apparatus, and the tasks planned for the identified site-modifying apparatus in that area.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MYRON WYCHE whose telephone number is (571)272-3390. The examiner can normally be reached on IFP.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dwayne Bost can be reached on 5712727023. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2617

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Dwayne Bost/
Supervisory Patent Examiner,
Art Unit 2617

/Myron Wyche/
Patent Examiner
AU 2617

7/15/11